Joint ESCAP-UIC Regional Capacity Building Workshop on Accelerating Rail Digital Transformation in ESCAP region
3 October 2022
Virtual
(1300 hrs. to 1800 hrs. Bangkok Time)
(0800 hrs. to 1300 hrs. Paris Time)

TENTATIVE PROGRAMME

1300-1310 hrs. (Bangkok time) 0800-0810 hrs. (Paris time)	Opening Session • *Ms. Azhar Jaimurzina Ducrest, Chief, Transport Connectivity and Logistics Section, Transport Division* • *Mr. F. Davenne, Director General, UIC*
1310-1325 hrs. 0810-0825 hrs.	• Keynote address *Professor Clive Roberts* *Head, Birmingham Center for Railway Research and Education, Birmingham, United Kingdom*
1325-1345 hrs. 0825-0845 hrs.	• Rail digitalization in ESCAP region challenges and way forward *Presentation by Sandeep Jain, Transport Division, ESCAP*
1345-1410 hrs. 0845-0910 hrs.	• E-learning material on rail digital transformation- an introduction *Presentation by UIC*
1410-1425 hrs. 0910-0925 hrs.	• Major trends in rail digitalization *Presentation Sandra Gehenot, UIC Freight Director*
1425-1440 hrs. **0925- 0940 hrs.**	**Break**
1440-1540 hrs. 0940-1040 hrs.	• State of rail digitalization including priorities and challenges *Presentation by countries along the Trans-Asian Railway network*
1540-1600 hrs. 1040- 1100 hrs.	• Open Source applied to rail *Presentation by Mr. Loïc Hamelin, SNCF, French Railway*

1600-1620 hrs. 1100-1120 hrs.	• The big data platform and its applications in freight railway *Presentation by Dr Jun Liu CARS, China Academy of Railway Sciences*
1620-1630 hrs. **1120-1130 hrs.**	**Break**
1630-1650 hrs. 1130- 1150 hrs.	• Future Railway Mobile Communication System: roadmap and challenges *Presentation by Dan Mandoc, UIC Head of FRMCS*
1650-1710 hrs. 1150-1210 hrs.	• Digital twins and their influence in decision making *Presentation by Dassault Systems*
1710-1730 hrs. 1210-1230 hrs.	• Predictive/digital rail maintenance –key challenges and ways to address them *Presentation by UIC Asset management chairman Mr. Andy Kirwan, Network Rail (tbc)*
1730-1750 hrs. 1230-1250 hrs.	• Rail cyber security challenges and way forward for the railways of the region *Presentation Mr. Richard Thomas, Birmingham Center for Railway Research and Education*
1750-1800 hrs. **1250-1300 hrs.**	**Conclusions and recommendations (UIC/UNESCAP)**